######################################	000000000 0000000000 0000000000 000 000 000 000	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		LLL LLL LLL LLL LLL LLL LLL LLL
FFF	00000000	RRR RRR	RRR RRR	††† †††	
FFF	00000000	RRR RRR	RRR RRR	TTT	LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL

FFFFFFFF FF FF FF FF FFFFFFF FF FF FF F	000000 00 00 00 00	RRRRRRRR RR RR RR RR RR RR RR RR RRRRRRR	RRRRRRRR RR RR RR RR RR RR RR RR RR RR RRRRRR	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	\$	000000 000000 00 00 00 00	
		\$					

- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:06 VAX/VMS Macro V04-00 FORSWRITE SO Table of Contents Page HISTORY ; Detailed Current Edit History
DECLARATIONS
FORSWRITE_SO - WRITE Sequential OBJECT-FORMATTED (2) (3) (4)

- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:06 VAX/VMS Macro V04-00 6-SEP-1984 11:02:14 [FORRTL.SRC]FORWRITSO.MAR;1

FORSWRITE_SO - entry point for FORTRAN WRITE SEQUENTIAL OBJECT-FORMA /1-011/ File: FORWRITSO.MAR Edit: JAW1011

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: FACILITY: FORTRAN Support Library - user callable

ABSTRACT:

.

.

* * *

12 * * 15 * * * 16 * * * 19 * * * * 20 * * *

2222222222233333333333344

4444444555554

10

This module contains the entry point for the FORTRAN WRITE SEQUENTIAL OBJECT-FORMATTED I/O statement. It is simply a call to FOR\$\$IO_BEG with bits in RO which describe the parameter list. FOR\$\$IO_BEG interprets the parameters.

MAINTENANCE NOTE:

The transfer vector (RTLVECTOR+ALLGBL) must have the following:

. TRANSFER FORSWRITE SO FORSSIO_BEG . MASK BRW FORSWRITE_SO+2

This puts the correct mask in entry vector, that is FOR\$\$10_BEG entry mask. furthermore this module must only use RO and R1 since any other register might not be in the entry mask for FOR\$\$10_BEG.

ENVIRONMENT: User access mode; mixture of AST level or not

AUTHOR: Richard B. Grove, CREATION DATE: 28-May-78

MODIFIED BY: T. Hastings, 29-July-78

EQUATED SYMBOLS:

NONE

OWN STORAGE:

0000

0000 0000

0000

0101 BF

00000002 GF

```
- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:06 VAX/VMS Macro V04-00 FORSWRITE_SO - WRITE Sequential OBJECT-F 6-SEP-1984 11:02:14 [FORRTL.SRC]FORWRITSO.MAR;1
                                   .SBTTL FORSWRITE_SO - WRITE Sequential OBJECT-FORMATTED
                          FUNCTIONAL DESCRIPTION:
                                   Initialize the FORTRAN I/O system to perform a write sequential OBJECT-FORMATTED I/O statement.
                          CALLING SEQUENCE:
                                   CALL FORSWRITE_SO (unit.rl.v, format_adr.rt.r [, err_adr.j.r [, end_adr.j.r]])
                          INPUT PARAMETERS:
                                                                      logical unit number format string (needs compilation) optional ERR= address
                                   unit.rl.v
                                   format adr.rt.r
[err_adr.j.r]
[end_adr.j.r]
                                                                      optional END= address
                          IMPLICIT INPUTS:
                                   NONE except those used by FOR$$10_BEG.
                          OUTPUT PARAMETERS:
                  160
                                   NONE
                          IMPLICIT OUTPUTS:
                                   NONE except those left by FOR$$10_BEG.
                          COMPLETION CODES:
                                   NONE
                          SIDE EFFECTS:
                                   NONE except those of FOR$$10_BEG.
                                              .MASK FOR$$10_BEG
#ISB$K_ST_TY_WSF+
<1@FOR$V_OBJ_FMT>, RO
G^FOR$$10_BEG+2
                       FORSWRITE_SO::
                  176
177
178
179
180
181
182
                                                                                  ; Statement type
                                                                                  ; branch past call mask
 17
```

.END

```
- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:06 6-SEP-1984 11:02:14
 FORSWRITE_SO
                                                                                                                                                VAX/VMS Macro V04-00
[FORRTL.SRC]FORWRITSO.MAR; 1
 Symbol table
 FORSSFMT_COMPIL
FORSSFMT COMPIL
FORSSIO BEG
FORSSREC WSFO
FORSSREC WSF9
FORSSUDF WFO
FORSSUDF WFO
FORSSUDF WF9
FORSV OBJ FMT
FORSWRITE SO
ISBSK_ST_TY_WSF
                                                   *******
                                                                         00000000000
                                                   *******
                                                   *******
                                                   *******
                                                   *******
                                                   *******
                                                   *******
                                                   *******
                                                = 00000008
                                                   00000000 RG
                                                                          01
                                                = 00000001
                                                                            Psect synopsis
PSECT name
                                                 Allocation
                                                                                PSECT No. Attributes
                                                                                        0.)
                                                                                                NOPIC
     ABS
                                                 00000000
                                                                                                            USR
                                                                                                                     CON
                                                                                                                                       LCL NOSHR NOEXE NORD
                                                                                                                                                                         NOWRT NOVEC BYTE
 FOR$CODE
                                                 00000000
                                                                                                                     CON
                                                                                                                              REL
                                                                                                            USR
                                                                                                                                       LCL
                                                                                                                                                 SHR
                                                                                                                                                         EXE
                                                                                                                                                                         NOWRT NOVEC LONG
                                                                       Performance indicators
Phase
                                      Page faults
                                                             CPU Time
                                                                                    Elapsed Time
 ----
                                                             00:00:00.10
00:00:00.63
00:00:01.22
00:00:00.19
                                                                                    00:00:00.91
Initialization
                                                                                    00:00:03.63
00:00:04.44
00:00:00.45
00:00:01.79
                                                 130
126
Command processing
Pass 1
Symbol table sort
                                                             00:00:00.45
Pass 2
                                                                                    00:00:00.02
Symbol table output
                                                             00:00:00.02
Psect synopsis output
                                                                                    00:00:00.00
Cross-reference output
                                                             00:00:00.00
Assembler run totals
                                                             00:00:02.64
                                                                                    00:00:11.56
The working set limit was 1050 pages.
6711 bytes (14 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 188 non-local and 0 local symbols.
182 source lines were read in Pass 1, producing 8 object records in Pass 2.
9 pages of virtual memory were used to define 2 macros.
                                                                      Macro library statistics !
Macro library name
                                                                     Macros defined
$255$DUA28:[FORRTL.OBJ]FORRTL.MLB;1
                                                                                      202
TOTALS (all libraries)
183 GETS were required to define 2 macros.
```

There were no errors, warnings or information messages.

- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:06 VAX/VMS Macro V04-00 Page 6-SEP-1984 11:02:14 [FORTL.SRC]FORWRITSO.MAR;1 FORSWRITE SO VAX-11 Macro Run Statistics MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL, TRACEBACK)/LIS=LIS\$: FORWRITSO/OBJ=OBJ\$: FORWRITSO MSRC\$: FORWRITSO/UPDATE=(ENH\$: FORWRITSO)+LI 0185 AH-BT13A-SE

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